

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E80416

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Duwamish/Customer Service Center

Survey Type : Online

Street : 2925 S 112th St

Response Rate : 75%

Jurisdiction : City of Tukwila

Survey Date : 5/8/2016

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 18.0%

Drive Alone Rate : 82.0%

One-Way VMT per employee : 17.6

Average One-Way distance home to work : 20.6

Employees and Survey Response Information

Reported Total Employees at Worksite: 888

Surveys Distributed : 888

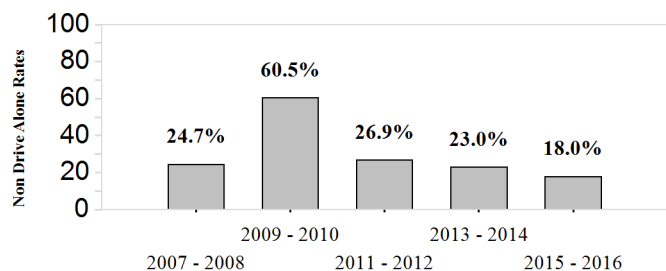
Surveys Returned : 666

Surveys Returned by CTR Affected* Employees : 631

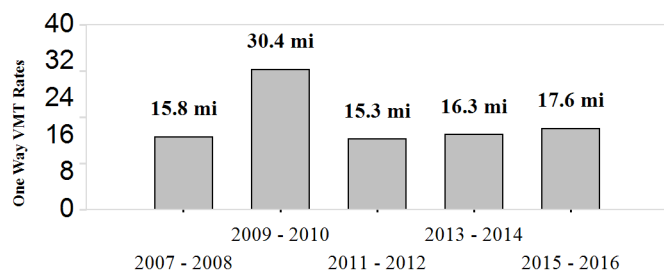
Total Estimated CTR Affected Employees at Worksite : 841

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets
Annual Metric Tons CO₂e Pounds CO₂e

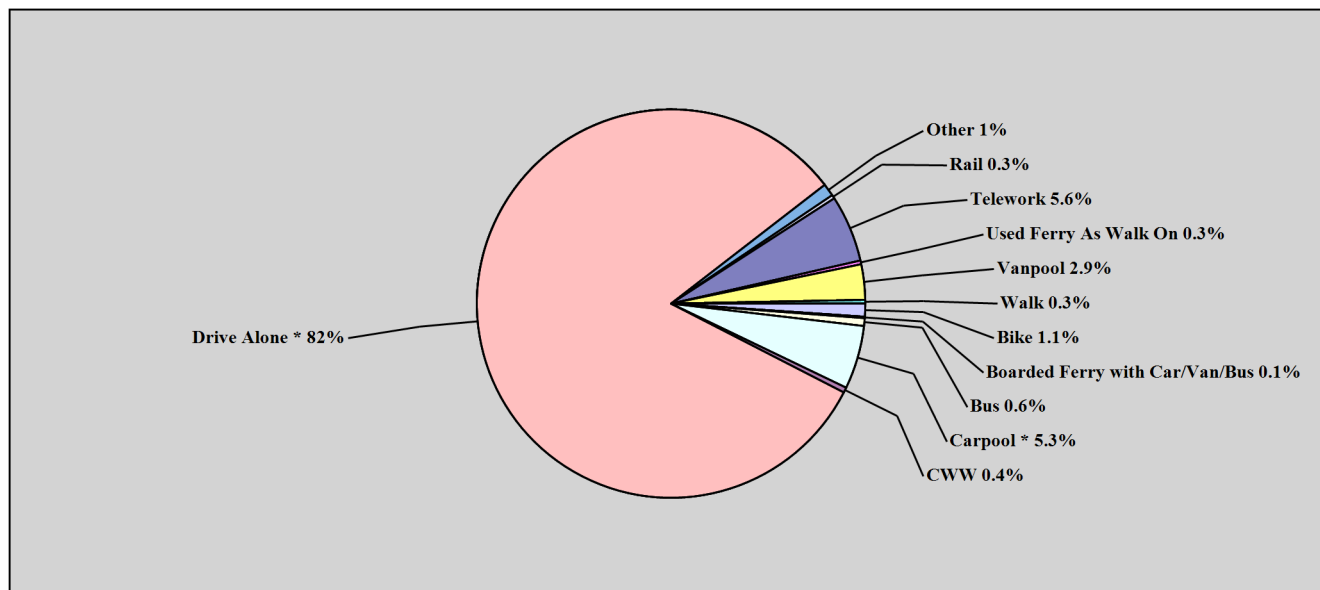
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	24.7%	24.5%	4382	5642	56.0	15.8	15.7
2009 - 2010	31.9%	31.9%	3418	5868	58.3	14.8	14.8
2009 - 2010	28.6%	29.7%	2900	5979	59.4	15.6	15.2
2011 - 2012	26.9%	33.1%	264	1027	10.2	15.3	14.6
2013 - 2014	23.0%	23.6%	2682	5447	54.1	16.3	16.1
2015 - 2016	18.0%	18.2%	2411	3214	31.9	17.6	17.4
2017 - 2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Target	27.1%				Target:	13.9	
% Point Change Target:	2.4				% Change Target:	-12.0%	
% Point Change from Baseline:	-6.7				% Change from Baseline:	11.4%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



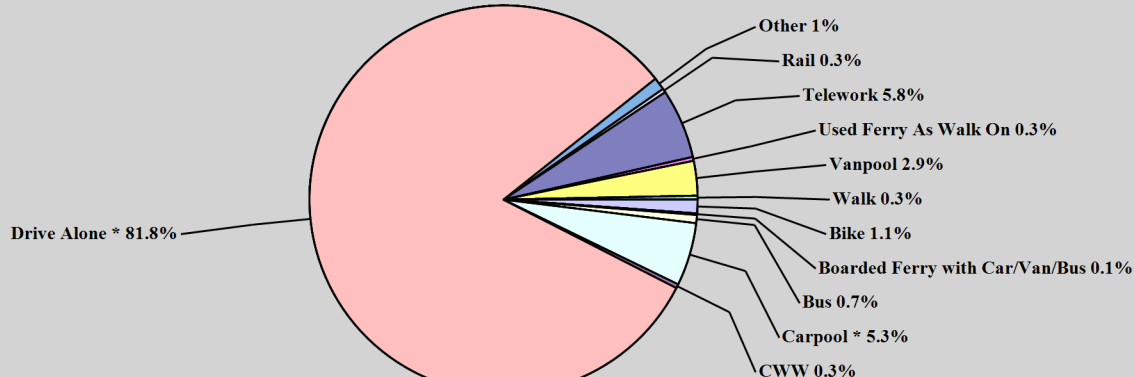
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	2,669	82.0%	77.0%	609	91.4%	87.1%
Carpool *	172	5.3%	7.1%	50	7.5%	10.7%
Vanpool	96	2.9%	4.6%	23	3.5%	5.7%
Bus	21	0.6%	1.0%	7	1.1%	1.6%
Rail	10	0.3%	1.2%	5	0.8%	1.6%
Bike	35	1.1%	1.2%	14	2.1%	2.0%
Walk	10	0.3%	0.2%	3	0.5%	0.4%
Telework	181	5.6%	5.5%	125	18.8%	19.9%
CWW	14	0.4%	0.5%	10	1.5%	2.5%
Boarded Ferry with Car/Van/Bus	4	0.1%	0.2%	3	0.5%	0.3%
Used Ferry As Walk On	10	0.3%	0.3%	2	0.3%	0.3%
Other	34	1.0%	1.2%	13	2.0%	2.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	2,524	81.8%	76.4%	580	91.9%	86.4%
Carpool *	162	5.3%	7.4%	48	7.6%	11.0%
Vanpool	89	2.9%	4.5%	21	3.3%	5.5%
Bus	21	0.7%	1.1%	7	1.1%	1.7%
Rail	10	0.3%	1.3%	5	0.8%	1.7%
Bike	35	1.1%	1.3%	14	2.2%	2.1%
Walk	10	0.3%	0.2%	3	0.5%	0.4%
Telework	179	5.8%	5.7%	123	19.5%	20.5%
CWW	10	0.3%	0.5%	9	1.4%	2.1%
Boarded Ferry with Car/Van/Bus	4	0.1%	0.2%	3	0.5%	0.3%
Used Ferry As Walk On	10	0.3%	0.3%	2	0.3%	0.3%
Other	32	1.0%	1.3%	12	1.9%	2.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	441	66%	666	100%
1 Days	81	12%	225	34%
2 Days	51	8%	144	22%
3 Days	22	3%	93	14%
4 Days	20	3%	71	11%
5 Days	49	7%	51	8%
6 or More Days	2	0%	2	0%

Count by Occupancy of Carpools and Vanpools

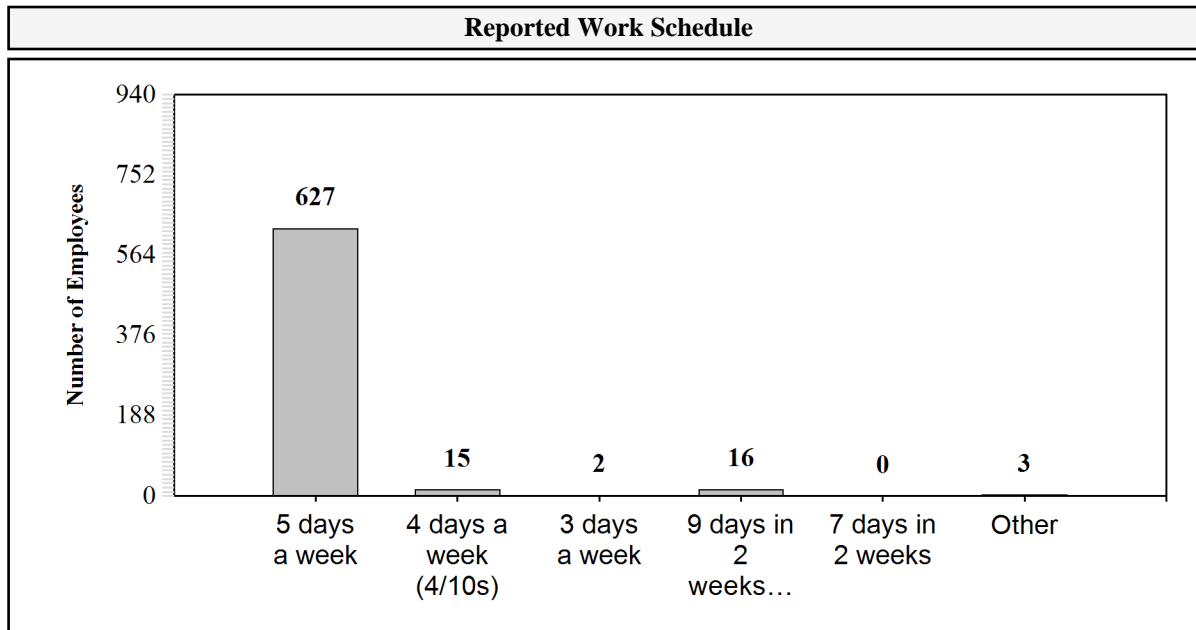
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	160
3	Carpool	12
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	30
5	Vanpool	30
6	Vanpool	12
7	Vanpool	9
8	Vanpool	13
9	Vanpool	2
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

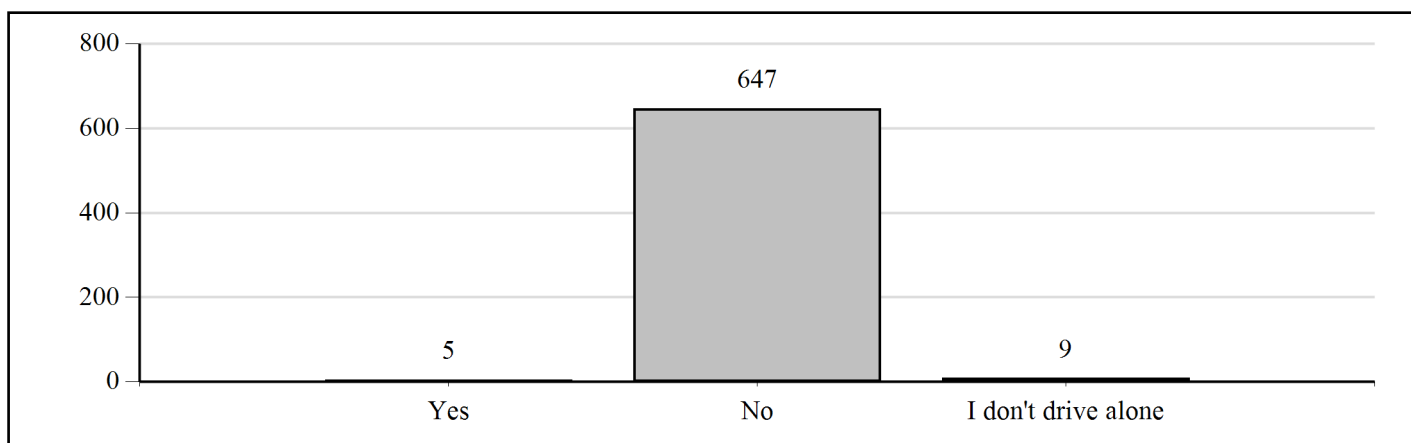
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	627	94.6%
4 days a week (4/10s)	15	2.3%
3 days a week	2	0.3%
9 days in 2 weeks (9/80)	16	2.4%
7 days in 2 weeks	0	0%
Other	3	0.5%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	3	0.5%
I don't telework	231	34.7%
Occasionally, on an as-needed basis	274	41.1%
1-2 days/month	44	6.6%
1 day/week	70	10.5%
2 days/week	41	6.2%
3 days/week	3	0.5%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I have the option of teleworking	248	19.5%
To save time using the HOV lane	193	15.2%
To save money	185	14.6%
Personal health or well-being	137	10.8%
Other	103	8.1%
Environmental and community benefits	98	7.7%
Financial incentives for carpooling, bicycling or walking.	87	6.8%
Free or subsidized bus, train, vanpool pass or fare benefit	84	6.6%
Driving myself is not an option	51	4.0%
Emergency ride home is provided	51	4.0%
Cost of parking or lack of parking	18	1.4%
Preferred/reserved carpool/vanpool parking is provided	13	1.0%
I receive a financial incentive for giving up my parking space	3	0.2%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	494	29.8%
I like the convenience of having my car	420	25.4%
Family care or similar obligations	217	13.1%
Other	158	9.5%
My commute distance is too short	118	7.1%
My job requires me to use my car for work	109	6.6%
Bicycling or walking isn't safe	91	5.5%
I need more information on alternative modes	44	2.7%
There isn't any secure or covered bicycle parking	5	0.3%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98042	31	4.65%	105	19	10	0	0	0	3	0	9	1	0	0	1
98031	25	3.75%	113	0	0	0	3	0	0	0	3	0	0	0	2
98058	23	3.45%	97	10	0	0	0	0	0	0	2	0	0	0	7
98059	22	3.30%	95	0	0	3	0	0	0	0	5	4	0	0	0
98092	20	3.00%	64	13	3	0	5	0	0	0	6	0	0	0	1
98023	18	2.70%	81	0	0	5	0	0	0	0	2	1	0	0	0
98056	18	2.70%	74	1	0	0	0	0	0	0	11	1	0	0	0
98001	16	2.40%	72	1	0	3	0	0	0	0	3	0	0	0	0
98038	16	2.40%	68	4	0	0	0	0	2	0	4	1	0	0	0
98032	14	2.10%	66	2	0	0	0	0	0	0	2	0	0	0	1
98006	13	1.95%	48	10	0	1	0	0	0	0	1	2	0	0	0
98103	12	1.80%	57	0	0	0	0	0	0	0	5	0	0	0	0
98003	11	1.65%	45	7	0	0	0	0	0	0	3	0	0	0	0
98166	11	1.65%	51	0	0	4	0	0	0	0	0	0	0	0	0
98118	10	1.50%	43	0	0	3	0	0	0	0	4	0	0	0	0
98029	9	1.35%	40	3	0	0	0	0	0	0	2	0	0	0	0
98075	9	1.35%	46	0	0	0	0	0	0	0	1	0	0	0	0
98146	9	1.35%	43	0	0	0	0	0	0	0	0	0	0	0	0
98116	8	1.20%	40	0	0	0	0	0	1	0	0	0	0	0	0
98117	8	1.20%	38	0	0	0	0	0	0	0	2	0	0	0	0
98126	8	1.20%	37	0	0	0	2	0	0	0	1	0	0	0	2
98422	8	1.20%	34	1	0	0	0	0	1	0	2	0	0	0	0
98008	7	1.05%	24	3	0	0	0	0	0	0	2	0	0	0	0
98012	7	1.05%	22	10	0	0	1	0	0	0	2	0	0	0	0
98057	7	1.05%	23	0	0	0	4	0	3	0	3	0	2	0	2
98107	7	1.05%	35	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98109	7	1.05%	23	5	0	0	1	0	5	0	1	0	0	0	0
98122	7	1.05%	27	0	0	0	5	0	0	0	3	0	0	0	0
98198	7	1.05%	29	0	0	0	0	0	3	0	0	0	0	0	0
98275	7	1.05%	27	0	5	0	0	0	0	0	5	0	0	0	0
98004	6	0.90%	27	0	0	0	0	0	0	0	2	0	0	0	0
98005	6	0.90%	30	2	0	0	0	0	0	0	0	0	0	0	0
98022	6	0.90%	18	4	0	2	0	0	0	0	1	0	0	0	4
98030	6	0.90%	25	0	0	0	0	0	0	0	1	1	0	0	0
98040	6	0.90%	25	0	0	0	0	0	5	0	0	0	0	0	1
98074	6	0.90%	22	5	0	0	0	0	0	0	1	0	0	0	0
98106	6	0.90%	30	0	0	0	0	0	0	0	0	0	0	0	0
98133	6	0.90%	25	0	4	0	0	0	0	0	3	0	0	0	0
98136	6	0.90%	22	0	0	0	0	0	6	0	0	1	0	0	0
98374	6	0.90%	25	3	0	0	0	0	0	0	2	0	0	0	0
98406	6	0.90%	19	1	9	0	0	0	0	0	1	0	0	0	0
98002	5	0.75%	17	5	0	0	0	0	0	0	3	0	0	0	0
98026	5	0.75%	11	0	5	0	0	0	0	0	7	0	0	0	0
98027	5	0.75%	24	0	0	0	0	0	0	0	1	0	0	0	0
98033	5	0.75%	27	0	0	0	0	0	0	0	0	0	0	0	0
98036	5	0.75%	5	4	12	0	0	0	0	0	1	0	0	0	0
98055	5	0.75%	22	0	0	3	0	0	0	0	0	0	0	0	0
98115	5	0.75%	22	0	0	0	0	1	1	0	0	0	0	0	0
98144	5	0.75%	18	0	0	0	0	0	0	0	4	0	0	0	0
98178	5	0.75%	13	0	0	0	0	0	0	9	1	0	0	0	1
98371	5	0.75%	21	0	0	0	0	0	0	0	4	0	0	0	0
98372	5	0.75%	22	4	0	0	0	0	0	0	0	0	0	0	0
98391	5	0.75%	15	0	2	0	0	0	0	0	4	1	0	0	2
98407	5	0.75%	17	1	8	0	0	0	0	0	1	0	0	0	0
98499	5	0.75%	22	0	0	0	0	0	0	0	3	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98021	4	0.60%	20	0	0	0	0	0	0	0	0	0	0	0	0
98028	4	0.60%	10	0	9	0	0	0	0	0	1	0	0	0	0
98034	4	0.60%	15	0	0	3	0	0	0	0	1	1	0	0	0
98072	4	0.60%	14	0	0	0	0	0	0	0	1	0	0	0	5
98108	4	0.60%	14	0	0	0	0	0	5	0	1	0	0	0	0
98125	4	0.60%	20	0	0	0	0	0	0	0	0	0	0	0	0
98168	4	0.60%	17	0	0	0	0	0	0	0	0	0	0	0	0
98177	4	0.60%	15	5	0	0	0	0	0	0	0	0	0	0	0
98188	4	0.60%	19	0	0	0	0	0	0	0	1	0	0	0	0
98208	4	0.60%	13	0	5	0	0	0	0	0	3	0	0	0	0
98007	3	0.45%	8	0	0	0	0	0	0	0	3	0	0	0	0
98052	3	0.45%	10	0	5	0	0	0	0	0	0	0	0	0	0
98101	3	0.45%	11	0	0	0	0	0	0	0	2	0	0	0	0
98102	3	0.45%	10	0	0	0	0	0	0	0	0	0	0	0	0
98119	3	0.45%	9	0	0	0	0	0	0	0	2	0	0	0	0
98203	3	0.45%	11	1	4	0	0	0	0	0	1	0	0	0	0
98270	3	0.45%	11	0	0	0	0	0	0	0	4	0	0	0	0
98296	3	0.45%	13	0	0	0	0	0	0	0	3	0	0	0	0
98321	3	0.45%	6	0	0	0	0	5	0	0	1	0	0	0	0
98335	3	0.45%	10	0	5	0	0	0	0	0	0	0	0	0	0
98338	3	0.45%	4	3	0	0	0	2	0	0	4	0	0	0	0
98424	3	0.45%	15	0	0	0	0	0	0	0	0	0	0	0	0
98445	3	0.45%	9	4	0	0	0	0	0	0	1	0	0	0	0
98467	3	0.45%	13	0	0	0	0	0	0	0	1	0	0	0	0
98513	3	0.45%	5	5	5	0	0	0	0	0	0	0	0	0	0
98010	2	0.30%	10	0	0	0	0	0	0	0	0	0	0	0	0
98051	2	0.30%	10	0	0	0	0	0	0	0	0	0	0	0	0
98065	2	0.30%	6	4	0	0	0	0	0	0	0	0	0	0	0
98070	2	0.30%	0	5	5	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98087	2	0.30%	0	4	0	0	0	0	0	0	6	0	0	0	0
98104	2	0.30%	10	0	0	0	0	0	0	0	0	0	0	0	0
98155	2	0.30%	10	0	0	0	0	0	0	0	0	0	0	0	0
98199	2	0.30%	10	0	0	0	0	0	0	0	0	0	0	0	0
98204	2	0.30%	7	0	0	0	0	0	0	0	0	0	0	0	0
98223	2	0.30%	5	4	0	0	0	0	0	0	1	0	0	0	0
98258	2	0.30%	0	4	0	0	0	0	0	0	1	0	0	0	0
98292	2	0.30%	9	0	0	0	0	0	0	0	1	0	0	0	0
98354	2	0.30%	8	0	0	0	0	0	0	0	0	0	0	0	0
98366	2	0.30%	2	0	0	0	0	0	0	0	2	0	1	0	5
98375	2	0.30%	9	0	0	0	0	0	0	0	0	0	0	0	0
98387	2	0.30%	8	0	0	0	0	0	0	0	1	0	0	0	0
98404	2	0.30%	4	5	0	0	0	0	0	0	1	0	0	0	0
98444	2	0.30%	9	0	0	0	0	0	0	0	1	0	0	0	0
98466	2	0.30%	4	5	0	0	0	0	0	0	1	0	0	0	0
98498	2	0.30%	9	0	0	0	0	0	0	0	1	0	0	0	0
98516	2	0.30%	8	0	0	0	0	0	0	0	2	0	0	0	0
	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98000	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98011	1	0.15%	6	0	0	0	0	0	0	0	0	0	0	0	0
98014	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98043	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98045	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98077	1	0.15%	3	2	0	0	0	0	0	0	0	0	0	0	0
98121	1	0.15%	4	1	0	0	0	0	0	0	0	0	0	0	0
98148	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98201	1	0.15%	3	0	0	0	0	0	0	0	1	0	0	0	0
98271	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98277	1	0.15%	3	0	0	0	0	0	0	0	2	0	0	0	0
98290	1	0.15%	3	0	0	0	0	0	0	0	2	0	0	0	0
98303	1	0.15%	1	2	0	0	0	0	0	0	2	0	0	0	0
98346	1	0.15%	0	0	0	0	0	0	0	0	0	0	0	5	0
98353	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98360	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98368	1	0.15%	5	0	0	0	0	0	0	1	0	0	1	0	0
98370	1	0.15%	0	0	0	0	0	0	0	0	0	0	0	5	0
98373	1	0.15%	3	0	0	0	0	2	0	0	0	0	0	0	0
98390	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98403	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98443	1	0.15%	2	0	0	0	0	0	0	0	0	0	0	0	0
98531	1	0.15%	4	0	0	0	0	0	0	0	1	0	0	0	0
98546	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98580	1	0.15%	4	0	0	0	0	0	0	0	1	0	0	0	0
98953	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0